

The Pteridophytes of Wyoming

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The first report on the Pteridophytes of Wyoming was published by Elias Nelson in the Fern Bulletin, Vol. VII, April 1899. That report listed nineteen different plants for the state as having actually been collected, as follows:

- Asplenium viride* Huds.
- Athyrium filix-foemina* (L.) Roth.
- Cheilanthes Feei* Moore (Listed as *C. gracilis*)
- Cryptogramma acrostichoides* A. Br.
- Cystopteris fragilis* (L.) Bernh.
- Notholaena Fendleri* Kunze.
- Notholaena sinuata* Kaulf.
- Pellaea occidentalis* (E. Nels.) Rydb. (Listed as *P. atropurpurea* var. *occidentalis*)
- Polystichum lonchitis* (L.) Roth. (Listed as *Dryopteris lonchitis*)
- Pteridium aquilinum* (L.) Kuh. (Listed as *Pteris aquilina*)
- Woodsia oregana* Eaton
- Woodsia scopulina* Eaton
- Equisetum arvense* L.
- Equisetum arvense* var. *alpestre* Wahl.
- Equisetum hiemale* L.
- Equisetum laevigatum* A. Br.
- Equisetum robustum* A. Br.
- Equisetum variegatum* Schleich.
- Selaginella densa* Rydb. (Listed as *S. rupestris*)

The second, and last, report was published by Leo. A. Hanna in the Fern Bulletin, Vol. XXII, pp. 1-11, 1932. This report dealt only with the fern flora, and listed seven additional species as follows:

- Asplenium septentrionale* (L.) Hoffm.
- Asplenium Trichomanes* L.
- Athyrium americanum* (Butters) Maxon
- Dryopteris Filix-mas* (L.) Schott.
- Pellaea Breweri* Eaton
- Pellaea densa* (Brack.) Hook.
- Polypodium hesperium* Maxon

The following is a complete list of pteridophytes for the state according to our present knowledge of the flora. It includes eleven additional species of which five are ferns, these new records for the state being marked #.

Asplenium septentrionale (L.) Hoffm. Dry rock crevices. Albany Co.

Asplenium Trichomanes L. Dry granite cliffs. Albany Co.

Asplenium viride Huds. Alpine rocks. Teton Co.

Athyrium americanum (Butters) Maxon. In rock slides, among boulders, typically alpine. Teton Co.

Athyrium Filix-foemina (L.) Roth. In moist, shady places, aspen thickets, along streams. Big Horn Co., Teton Co., Yellowstone Nat. Park.

#*Botrychium lunaria* (L.) Sw. Moist meadow. Sheridan Co.

#*Botrychium Coulteri* Underw. In wet soil and lake shores. Teton Co., Yellowstone Nat. Park.

#*Botrychium silaifolium* Presl. Willow thickets and lake shores in wet soil. Sublette Co., Teton Co.

Cheilanthes Feei Moore. Crevices in large, dry rocks, usually on limestone cliffs. Albany Co., Johnson Co., Natrona Co., Platte Co.

Cryptogramma acrostichoides A. Br. Rock slides, alpine. Albany Co., Carbon Co., Lincoln Co., Sheridan Co., Sweetwater Co., Teton Co., Yellowstone Nat. Park.

Cystopteris fragilis (L.) Bernh. Rock crevices, usually in less exposed places. Albany Co., Big Horn Co., Carbon Co., Converse Co., Crook Co., Lincoln Co., Park Co., Sheridan Co., Sublette Co., Yellowstone Nat. Park.

Dryopteris Filix-mas (L.) Schott. Shady ravines on moist soil. Albany Co., Natrona Co., Sheridan Co.

#*Marsilia oligospora* Goodding. Mud flats and shallow water at margins of lakes. Sublette Co., Teton Co.

Notholaena Fendleri Kunze. Collected but once in a rocky canyon at lower elevations. Albany Co.

Pellaea Breweri Eaton. In rock crevices. Carbon Co., Sublette Co.

Pellaea densa (Brack.) Hook. Rock crevices, alpine. Teton Co.

Pellaea occidentalis (E. Nels.) Rydb. Dry rock crevices, prefers limestone. Albany Co., Big Horn Co., Natrona Co.

#*Phegopteris Dryopteris* (L.) Fee. Collected but once, but locally common in a rock slide in Jackson's Hole. Teton Co.

Polypodium hesperium Maxon. Collected but twice, in rock crevices in dry, granite cliffs. Albany Co.

Polystichum lonchitis (L.) Roth. In rock crevices and cliffs. Carbon Co., Lincoln Co., Teton Co.

Pteridium aquilinum (L.) Kuhn. In open aspen groves. Carbon Co., Lincoln Co., Sheridan Co., Teton Co., Yellowstone Nat. Park.

Woodsia oregana Eaton. Among rocks in shady places. Crook Co., Lincoln Co.

Woodsia scopulina Eaton. Among rocks in shady places. Albany Co., Carbon Co., Park Co., Sheridan Co., Sublette Co., Yellowstone Nat. Park.

Equisetum arvense L. Sandy soil in open situations. Albany Co., Park Co., Sheridan Co., Yellowstone Nat. Park.

#*Equisetum fluviatile* L. Swamps and edges of streams. Teton Co.

Equisetum hiemale L. Moist alluvial soil, stream banks. Albany Co., Converse Co., Johnson Co., Park Co., Sheridan Co., Teton Co., Yellowstone Nat. Park.

Equisetum laevigatum A. Br. Sandy soil, damp thickets. Hot Springs Co., Park Co., Sheridan Co., Uinta Co.

#*Equisetum Nelsoni* (Eat.) Schaffner. Sandy-gravelly bar of creek bed. Collected but once by Prof. Schaffner. Big Horn Co.

Equisetum robustum A. Br. Moist ground, stream banks. Teton Co., Albany Co., Uinta Co.

Equisetum variegatum Schleich. Wet meadows, swamps. Albany Co., Teton Co.

#*Isoetes Bolanderi* Engelm. Alpine swamps and lakes. Albany Co., Carbon Co., Sublette Co., Yellowstone Nat. Park.

#*Lycopodium annotinum* L. Collected but once in Yellowstone National Park. No habitat given.

Selaginella densa Rybd. The common Selaginella in the mountains, on rocky soil and barren ridges. Albany Co., Johnson Co., Park Co., Sublette Co., Uinta Co., Yellowstone Nat. Park.

#*Selaginella scopulorum* Maxon. Open, rocky slopes. Big Horn Co., Sublette Co.

#*Selaginella selaginoides* Link. Collected in only one locality, at 8,000 ft. on a mossy lake shore. Sublette Co.

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